

PTO/SB/21 (08-03)

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2837

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/092,944
Filing Date	3/5/2002
First Named Inventor	Todor J. Fay
Group Art Unit	2837
Examiner Name	MARLON T FLETCHER
Attorney Docket Number	MS1-783US

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (<i>Appeal Notice, Brief, Reply Brief</i>) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (<i>please identify below:</i> <i>PTO-1449 Form; Cited References (37); Return Post Card</i>
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	David A. Morasch/Reg. No. 42905
Signature	
Date	May 18, 2005

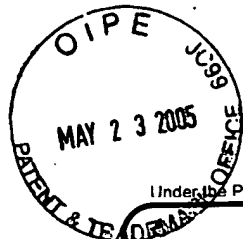
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Signature		Date	5-19-05

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PTO/SB/17 (12-04)

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 180.00**Complete if Known**

Application Number	10/092,944
Filing Date	3/5/2002
First Named Inventor	Todor J. Fay
Examiner Name	MARLON T FLETCHER
Art Unit	2837
Attorney Docket No.	MS1 -783US

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 12-0769 Deposit Account Name: Lee & Hayes, PLLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	50	=			
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
- 3 or HP =	x	200	=			
HP = highest number of independent claims paid for, if greater than 3						

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Information Disclosure Statement

Fees Paid (\$)

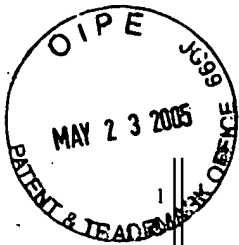
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SUBMITTED BY

Signature	Registration No. 42905	Telephone (509) 324-9256
Name (Print/Type) David A. Morasch	(Attorney/Agent)	Date May 18, 2005

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. 10/092,944
Filing Date 3/5/2002
Confirmation No. 7396
Inventorship Todor J. Fay
Applicant Microsoft Corporation
Group Art Unit 2837
Examiner MARLON T FLETCHER
Attorney's Docket No. MS1-783US
Title: Audio Wave Data Playback in an Audio Generation System

INFORMATION DISCLOSURE STATEMENT

References – See Attached Form PTO-1449

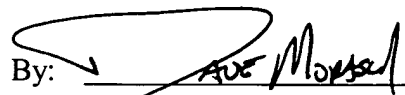
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Lee & Hayes, PLLC
421 W. Riverside Avenue, Suite 500
Spokane, WA 99201

The attached form PTO-1449 is submitted in compliance with Applicant's duty of disclosure under 37 CFR §1.56. The Examiner is requested to make these citations of official record in this application.

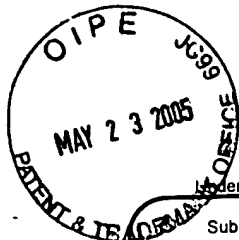
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Dated: May 18, 2005

By: 
David A. Morasch
Reg. No. 42905

05/24/2005 FMETEK11 00000100 120769 10092944

01 FC:1806 180.00 DA



PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 3

Complete if Known

Application Number	10/092,944
Filing Date	3/5/2002
First Named Inventor	Todor J. Fay
Art Unit	2837
Examiner Name	MARLON T FLETCHER
Attorney Docket Number	MS1 -783US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5303218	4/12/1994	Miyake	
		US- 5511002	4/23/1996	Milne et al	
		US- 5548759	8/20/1996	Lipe	
		US- 5717154	2/10/1998	Gulick	
		US- 5734119	3/31/1998	France et al	
		US- 5761684	6/2/1998	Gibson	
		US- 5842014	11/24/1998	Brooks et al.	
		US- 5852251	12/22/1998	Su et al.	
		US- 5890017	3/30/1999	Tulkoff et al.	
		US- 5902947	5/11/1999	Burton et al.	
		US- 5942707	8/24/1999	Tamura	
		US- 5977471	11/2/1999	Rosenzweig	
		US- 6100461	8/8/2000	Hewitt	
		US- 6152856	11/28/2000	Studor et al.	
		US- 6173317	1/9/2001	Chaddha et al	
		US- 6175070	1/16/2001	Naples et al.	
		US- 6216149	4/10/2001	Conner et al	
		US- 6357039	3/12/2002	Kuper	
		US- 6658309	12/2/2003	Abrams et al.	

FOREIGN PATENT DOCUMENTS

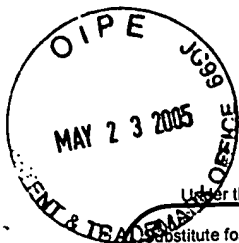
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/092,944		
		Filing Date	3/5/2002		
		First Named Inventor	Todor J. Fay		
		Art Unit	2837		
		Examiner Name	MARLON T FLETCHER		
Sheet	2	of	3	Attorney Docket Number	MS1 -783US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		A. CAMURRI et al., "A Software Architecture for Sound and Music Processing", Microprocessing and Microprogramming " Vol. 35 pp. 625-632 (Sept 1992)	
		BERRY M., "An Introduction to GrainWave" Computer Music Journal Spring 1999 Vol. 23 No. 1 pages 57-61	
		H. MEEKS, "Sound Forge Version 4.0b", Social Science Computer Review Vol. 16, No. 2, pp. 205-211 (Summer 1998)	
		HARRIS et al.; "The Application of Embedded Transputers in a Professional Digital Audio Mixing System"; IEEE Colloquium on "Transputer Applications"; Digest No. 129, 2/ 1-3 (uk 13 Nov. 1989)	
		J. PICHE et al., "Cecilia: A Production Interface to Csound", Computer Music Journal Vol. 22, No. 2 pp. 52-55 (Summer 1998)	
		M. COHEN et al., "Multidimensional Audio Window Management", Int. J. Man-Machine Studies Vol. 34, No. 3 pp. 319-336 (1991)	
		MALHAM et al., "3-D Sound Spatialization using Ambisonic Techniques" Computer Music Journal Winter 1995 Vol. 19 No. 4 pages 58-70	
		MEYER D., "Signal Processing Architecture for Loudspeaker Array Directivity Control" ICASSP March 1985 Vol. 2 pages 16.7.1-16.7.4	
		MILLER et al., "Audio-Enhanced Computer Assisted Learning and Computer Controlled Audio-Instruction". Computer Education, Pergamon Press Ltd., 1983, Vol. 7 pages 33-54	
		MOORER, JAMES; "The Lucasfilm Audio Signal Processor"; Computer Music Journal, Vol. 6, No. 3, Fall 1982, 0148-9267/82/030022-11; pages 22 through 32	

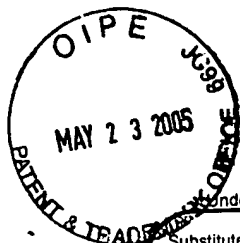
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/092,944
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Art Unit	2837
Examiner Name	MARLON T FLETCHER
Attorney Docket Number	MS1 -783US

Sheet	3	of	3
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		R. DANNENBERG et al., "Real-Time Software Synthesis on Superscalar Architectures", Computer Music Journal Vol. 21, No. 3 pp. 83-94 (Fall 1997)	
		R. NIEBERLE et al., "CAMP: Computer-Aided Music Processing", Computer Music Journal Vol. 15, No. 2, pp 33-40 (Summer 1991)	
		REILLY et al., "Interactive DSP Debugging in the Multi-Processor Huron Environment" ISSPA Aug. 1996 pages 270-273.	
		STANOJEVIC et al., "The Total Surround Sound (TSS) Processor" SMPTE Journal Nov. 1994 Vol.3 No. 11 pages 734-740	
		V. ULIANICH, "Project FORMUS: Sonoric Space-Time and the Artistic Synthesis of Sound", Leonardo Vol. 28, No. 1 pp. 63-66 (1995)	
		VERCOE, BARRY; "New Dimensions in Computer Music"; Trends & Perspectives in Signal Processing; Focus, April 1982; pages 15 through 23	
		VERCOE, et al; "Real-Time CSOUND: Software Synthesis with Sensing and Control"; ICMC Glasgow 1990 for the Computer Music Association; pages 209 through 211	
		WIPPLER, JEAN-CLAUDE; "Scripted Documents"; Proceedings of the 7th USENIX Tcl/TKConference; Austin Texas; February 14-18, 2000; The USENIX Association	

Examiner Signature		Date Considered	
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